

Title: Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system

Inventor: John Scott Minor, Jr.

I claim:

1. An Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system for mobile or stationary device(s) or vehicle(s) through wired or wireless means.

2. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 with the marker made of a material selected from the group consisting of concrete, metal and plastic.

3. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 consisting of one of the following wireless communications network units; end node, router node, or gateway node.

4. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 3 to

include end node hardware acting as the end wireless communications network location for sending data to or receiving data from any field electronics.

5. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 3 to include router node hardware that extend the data transmission distance or range of said communications network system.

6. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 3 to include gateway node hardware that provide the connection to the Internet for data reception, transmission, compilation and analysis of said communications network system.

7. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 to include all associated software to perform the networking, communications, data storage, security and analysis of end node hardware, router node hardware, and gateway node hardware of said communications network system.

8. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 to include a geographic positioning (GPS) hardware system and associated

software to bring its/their data to the wireless communications end node, router node or gateway node with or without security control of said communications network system.

9. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location based communications network system of claim 1 to include sensor(s) hardware and associated software to bring its/their data to the wireless communications end node, router node or gateway node with or without security control of said communications network system.

10. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 to include a radio frequency identification tag (RFID) hardware and associated software to bring its/their data to the wireless communications end node, router node or gateway node with or without security control of said communications network system and that is active (powered) or passive (non-powered) and contains data storage capability for its own or system use for said communications network system.

11. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 to include an internal and/or external power unit and associated software to bring its/their power to the on-board electronics and wireless communications end

node, router node or gateway node with or without security control for said communications network system that is a battery and/or a solar cell based energy system for marker power.

12. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 to include a method of obtaining information about a location of land including but not limited to the steps of: transmitting said data from the wireless communications end node to or from a wireless communications router node to or from a wireless communications gateway node to or from the Internet with all associated software; processing the communications wave signal to obtain the information about the location; and converting the information with computer software into a program language.

13. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 to include a method of obtaining information about bioinformatics data from or to living organisms in real time including but not limited to the steps of: transmitting or receiving said data from the wireless communications end node to or from a wireless communications router node to or from a wireless communications gateway node to or from the Internet; processing the communications wave signal to obtain the information about the data; and converting the information with computer software into a program language.

14. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 to include a method of obtaining information about route and environmental data for real time autonomous systems control including but not limited to the steps of: transmitting or receiving said data from the wireless communications end node to or from a wireless communications router node to or from a wireless communications gateway node to or from the Internet; processing the communications wave signal to obtain the information about the data; and converting the information with computer software into a program language.

15. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 to include a method of obtaining information about plat data as the basis for tax assessment within the county auditor system of each state including but not limited to the steps of: transmitting or receiving said data from the wireless communications end node to or from a wireless communications router node to or from a wireless communications gateway node to or from the Internet; processing the communications wave signal to obtain the information about the data; and converting the information with computer software into a program language.

16. The Internet-enabled, auto-networking, wireless, sensor-capable, specific

geographic location marker based communications network system of claim 1 to include a method of obtaining information about topographic and control point data for automating photogrammetry including but not limited to the steps of: transmitting or receiving said data from the wireless communications end node to or from a wireless communications router node to or from a wireless communications gateway node to or from the Internet; processing the communications wave signal to obtain the information about the data; and converting the information with computer software into a program language.

17. The Internet-enabled, auto-networking, wireless, sensor-capable, specific geographic location marker based communications network system of claim 1 to include a method of obtaining information about environmental, industrial, commercial, residential, medical and security sensor based data in real time including but not limited to the steps of: transmitting or receiving said data from the wireless communications end node to or from a wireless communications router node to or from a wireless communications gateway node to or from the Internet; processing the communications wave signal to obtain the information about the data; and converting the information with computer software into a program language.